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NAWC WARMINSTER
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HNP/51-10-4-21

October 6, 1994

Project Number 1412

Mr. Lonnie Monaco
Naval Facilities Engineering Command
Northern Division
Environmental Contracts Branch, Mailstop No. 82
10 Industrial Highway
Lester, Pennsylvania 19113

Reference: CLEAN Contract No. N62472-90-D1298
Contact Task Order (CTO) No. 159

Subject: Restoration Advisory Board (RAB) Meeting Minutes of September 20, 1994
Naval Air Warfare Center (NAWC)
Warminster, Pennsylvania

Dear Mr. Monaco:

Enclosed please find the minutes from the RAB meeting held at NAWC Warminster on September 20, 1994. Copies of the minutes are being sent to the individuals identified on the distribution list.

Please contact me at (610) 971-0900 if you have any questions or comments.

Sincerely,

A handwritten signature in cursive script that reads "Kevin C. Kilmartin".

Kevin C. Kilmartin, CPG
Assistant Project Manager

KCK/vb

Enclosure

cc: Tom Ames (NAWC Warminster)
Raymond Mannella (NAVFACENGCOM)
Neil Teamerson (Halliburton NUS)
John Trepanowski (Halliburton NUS)
Michael Turco (Halliburton NUS)
Jeffrey Orient (Halliburton NUS)
RAB Members

**NAVAL AIR WARFARE CENTER (NAWC) WARMINSTER MEETING MINUTES
RESTORATION ADVISORY BOARD (RAB) MEETING NO. 26
REFERENCE: CLEAN CTO NO. 159**

1. Meeting Date and Time: September 20, 1994, 7:30 p.m. to 9:40 p.m.
2. Location: NAWC, Warminster, Pennsylvania
3. Attendees: See Attachment I
4. Summary of Meeting Minutes:

Tom Ames, the BRAC Environmental Coordinator (BEC), opened the meeting by welcoming all. Mr. Ames passed out the agenda and mailing list and defined the Restoration Advisory Board (RAB) and its purpose and goal for those present. The RAB is not a decision-making body, but members' concerns are considered in the decision-making process. A copy of Mr. Ames' handouts is included as Attachment II.

Mr. Ames asked if there were comments on the minutes of the last RAB. There were none.

Mr. Ames described the locations of Areas A, B, C, and D and showed a map of the facility. He then opened with the first agenda item, the status of the operational unit 1 (OU-1) design. Lonnie Monaco, Northern Division's remedial project manager, gave an update. A pre-construction meeting is set for September 28 at the ROICC office, and construction is scheduled to begin the first quarter of Fiscal Year 1995.

Jeff Orient, the HNUS project manager, detailed the off-site monitoring well installation plan; three wells are to be installed at two different locations. This is considered a first step in plume identification, but additional wells will probably be needed.

Brad Kirsch, Warminster Township manager, asked how long will it take to drill the wells. Mr. Orient replied that it would take about two weeks to complete. Wells will be sampled, and the Technical Subcommittee of the RAB will review the resulting data and determine the next step.

Mr. Ames then opened discussion on the next agenda item, OU-3, by providing a brief synopsis of the preferred alternative. Mr. Ames explained that the comment period is until September 30 and it is possible that the preferred alternative may not be the one that is chosen to be implemented, depending on comments received. Construction of OU-3 will be by the same contractor doing OU-1 and will be designed by HNUS.

Joseph Butch, chairman of the Warminster Municipal Authority, voiced preference for the Navy's preferred plan, since the pump and treat plant would be near the existing sewage plant.

Mr. Kirsch asked for the discharge rates from the plant and questioned if this water could be directed through the Area A/B treatment plant. Mr. Ames explained that discharge of treated water from Area C to the Area A/B treatment plant would be "overkill." Mr. Kirsch asked if the Area A/B plant could handle additional flow from yet-undiscovered sources. Dave Kennedy, of the Pennsylvania Department of Environmental Resources (PADER), explained that it could because the plant was designed with excess capacity.

Anthony Bartolomeo, of Pennoni Associates, consultant to Warminster Township asked about the status on the source area investigations at Area C. Mr. Orient stated that a work plan to address this was currently underway. Mr. Orient went on to say that the Phase III work plan was in review. EPA and the Navy plan to meet next week.

Mr. Bartolomeo noted that the work plan covers more than Area C. Mssrs. Monaco and Orient concurred.

Mr. Monaco outlined the options resulting from Phase III involving soil investigation. Mr. Monaco stated that source removal was possible, particularly at Site 4. Since such a removal is not an emergency removal, an Engineering Evaluation and Cost Analysis (EECA) must be prepared first. Even if the EECA resulted in source removal, groundwater pump and treat would continue. Mr. Ostrauskas explained that some sources may be too deep to remove and other action might be needed.

Mr. Bartolomeo talked about potential multiple plumes migrating from the base. Mr. Ostrauskas discussed the extent and location of the plume at Area C (Sites 4 and 8). Joseph Cody, Base Transition Coordinator, stated that Site 4 does not have groundwater impacts associated with it. Mr. Orient explained that no plume had been found leaving Site 4, but that most of the plume was concentrated near Site 8.

Mr. Kirsch asked if methods existed to capture contamination at Site 4. Mr. Orient said that little contamination was found at Site 4. Any removal action done may be more for reuse issues than safety issues. Limited soil gas samples showed low levels of contamination, although more borings may be done.

Mr. Ostrauskas stated that additional investigation of metals at Site 4 is needed.

Marie Morton, a resident of Flying Heels, questioned who would remove soil from Site 4. Mr. Ames said it would be done with a Navy RAC contractor. Mr. Monaco stated that Northern Division would have its own RAC by the time the issue is resolved.

Mr. Ames opened the discussion of Round 5. Mr. Orient reported that the sampling was set to begin during the week of September 26 and that approximately 20 homes located north of the runway were scheduled for testing. Ms. Morton questioned why Flying Heels was not being tested and what would happen in the future if contamination plumes were not the Navy's responsibility. Mr. Ostrauskas explained that EPA would take over the monitoring if evidence showed that the Navy was not responsible.

Ms. Morton then questioned whether a sufficient number of wells were resampled. Frank Berstein noted that a long-range monitoring plan for Flying Heels had been assured by the EPA regional administrator at a meeting several months ago with township officials. The plan is still being worked on by EPA and the Navy. Mr. Berstein wanted to know what standards will be used for cleanup. He noted that Casey Village standards were very conservative and wondered if exceedance of Maximum Contaminant Levels (MCLs) dictated public water hookup or if action levels were the deciding factor. Mr. Kirsch echoed these concerns and stated that reasonable standards must be developed. Mr. Butch clarified the meaning of MCLs and the obligation of water suppliers to meet them. These numbers will not change unless scientific data indicate otherwise.

Nancy Rios Jafolla, toxicologist for EPA, further discussed the MCLs and the true relation to risk- and health-based standards.

Mr. Monaco discussed residential treatment system status. HNUS will contact residents with treatment systems who have been connected to public water so that the systems can be removed.

John Calken, of EA Engineering, the Navy's second CLEAN contractor, discussed the next item of business, EA's efforts on the Phase II Environmental Baseline Survey (EBS) work plan. A copy of Mr. Calken's handouts is included as Attachment III. Mr. Berstein asked the status of Buildings 1, 2, and 3 regarding radon, asbestos, and lead-based paint and wants all information available. Mr. Bartolomeo asked if the asbestos will be left. Mr. Ames stated that Navy policy on asbestos removal addresses asbestos that is damaged, friable, and accessible. Mr. Kirsch questioned whether Occupational Safety and Health Administration (OSHA) standards would be used as basis for cleanup and inspection of facility buildings. Mr. Cody stated that the Navy had its own safety standards and if these differed from OSHA, it was Navy policy not to upgrade to OSHA. Mr. Kirsch said this may impact the value of the property.

Mr. Bernstein alluded to dumping at the Channel site and questioned if this was being looked into. He stated that aerial photos showed dumping and that a commitment was made by the EPA regional administrator to look at this. Mr. Ostrauskas stated that EPA's aerial photo service was looking into this, as well as other potential dump sites off base, and said that the information would be provided to EA for their use.

With no further discussion, Mr. Ames adjourned the meeting.

ATTACHMENT I

NAWC WARMINSTER RAB MEETING
September 20, 1994

NAME	AFFILIATION	PHONE NO.	FAX NO.
Frank Kurdziel	NAWC	(215) 441-7118	(215) 441-3066
Michael Manes	NAWC	(215) 441-2709	(215) 441-3066
William N. Heil	NAWC	(215) 441-7087	(215) 441-3066
Doug Donovan	Philadelphia Inquirer	(215) 702-7800	(215) 702-7820
Tony Bartolomeo	Pennoni Associates	(215) 561-0460	(215) 496-0063
Dave Fennimore	WTMA	(215) 524-9466	(215) 524-9482
Joe Butch	WTMA	(215) 675-3301	(215) 674-9991
Norm Kelly	Ivyland Borough	(215) 675-1157	---
Al Wills	BCDH	(215) 345-3325	(215) 345-3310
John Calkin	EA Engineering	(908) 665-2440	(908) 6655-2464
David Kennedy	PADER	(610) 832-6199	(610) 832-6259
Marie Morton	Whirlaway Drive	(215) 674-4572	---
Larry Stambaugh	Reeves Lane	(215) 674-2293	---
Jane Sinkler	Reeves Lane	(215) 675-7749	---
Karl Huf	Schoolhouse Lane	(215) 674-5649	---
Marjorie Huf	Schoolhouse Lane	(215) 674-5649	---
Ben Mykijewycz	EPA	(215) 597-3535	---
Nancy Rios Jafolla	EPA	(215) 597-6682	---
Darius Ostrauskas	EPA	(215) 597-0549	(215) 597-9890
Jeff Orient	Halliburton NUS	(412) 921-8778	(412) 921-4090
Lonnie Monaco	NORTHDIV RPM	(610) 595-0567 ext. 164	(610) 595-0555

ATTACHMENT II

NAVAL AIR WARFARE CENTER AIRCRAFT DIVISION
WARMINSTER

RESTORATION ADVISORY BOARD

20 SEPTEMBER 1994

MEETING AGENDA

- * WELCOME ABOARD
 - * REVIEW OF MINUTES
 - * STATUS OF OU-1 (AREAS A AND B)
 - PUMP & TREAT FACILITY CONTRACT
 - OFF SITE MONITORING WELLS
 - * STATUS OF OU-3 (AREA C)
 - PROPOSED REMEDIAL ACTION PLAN
 - PUBLIC COMMENT PERIOD OPEN UNTIL 30 SEPTEMBER 1994
 - * ROUND 5 SAMPLING PLAN
 - * RESIDENTIAL TREATMENT SYSTEM STATS
 - Disconnects for Residences Hooked to Public Water
 - * ENVIRONMENTAL BASELINE SURVEY BRIEFING
 - * COMMENTS/DISCUSSION
 - * NEXT MEETING: THURSDAY 13 OCT 94 AT 9:30 AM (LADY LUCK CLUB)
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